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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 3 McKEE PRINT MARCH, 1964

Production of crude oil and condensate from the oil and gas areas of Montana for the month of March, 1964, averaged 86,329 barrels daily, an increase of 1,657 barrels from the average February production of 84,672.

The nine refineries in state processed 87,500 barrels of crude oil daily for the month of March, 1964, an increase of 8,418 barrels from the 79,082 barrels processed daily during the month of February, 1964.

During March, 41 wells were completed, 19 oil, 1 gas well and 21 dry holes.

During March, the commission issued 23 permits to drill new wells, a decrease of 2 from 25 permits issued during February.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA
MONTH OF MARCH, 1964

IN STORAGE MARCH 1st:	
By Producers	347,814
By Transporters	988,120
By Refiners	758,578
TOTAL STORAGE	2,094,512
Produced in Montana During Month	2,676,212
Imported During Month	1,676,145
TOTALS	6,446,869
DISPOSITION	
Refined in Montana	2,712,494
Exported	1,618,654
Used for Fuel or Lost	12,536
TOTAL	4,343,684
IN STORAGE MARCH 31st:	
By Producers	365,053
By Transporters	1,049,139
By Refiners	688,993
TOTAL STORAGE	2,103,185

NATURAL GAS WITHDRAWALS IN MONTANA
Month of March, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	119,870
Bowdoin	247,725
Bowes	83,183
Cabin Creek	109,770
Cedar Creek	380,150
Cut Bank (including Reagan)	763,980
Devon	0
Dry Creek	140,452
Elk Basin	24,192
Flat Coulee	2,473
Gold Butte	0
Golden Dome	11,951
Grandview	0
Hardin	3,146
Keith Block	286,800
Kevin Sunburst	86,089
Middle Butte	13,754
Mount Lili	14,411
Pine	59,537
Plevna	16,683
Utopia	103,391
Whitlash	115,548
Miscellaneous	14,364
TOTAL	2,597,469

Total Withdrawals for March, 1963 were 2,677,847 M Cu. Ft.

PRODUCERS REPORT—MONTH OF MARCH, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	927	2,102	.....	2,389	.....	640
4	Bannatyne	7	931	1,170	.....	768	.....	1,333
1	Bascom	1	99	207	.....	.....	.....	306
4	Bear's Den	4	1,624	2,409	.....	2,342	132	1,559
1	Belfry	1	261	320	.....	203	.....	378
1	Benrud	1	479	1,280	1,403	.....	.....	356
1	Benrud East	1	712	15,746	15,751	.....	.....	707
9	Big Wall	30	3,265	22,566	23,316	156	.....	2,359
7	Blackfoot	12	2,579	5,993	3,429	2,107	.....	3,036
2	Border	2	38	634	.....	595	.....	77
1	Bowes	72	5,160	14,708	13,208	.....	.....	6,660
3	Bradley	3	833	1,202	417	.....	.....	1,618
1	Brady	2	.....	382	382	.....	.....	.....
1	Bredette North	1	316	163	.....	.....	.....	479
2	Cabin Creek	113	7,057	268,078	267,141	.....	.....	7,994
13	Cat Creek	92	3,303	22,479	22,147	.....	.....	3,635
1	Clark's Fork	1	143	217	.....	117	.....	243
1	Clark's Fork North	1	1,753	453	.....	453	.....	1,753
2	Conrad South	4	498	419	405	.....	.....	512
1	Cupton	1	1,593	587	.....	382	.....	1,798
158	Cut Bank	1,121	115,090	160,934	158,307	.....	722	116,995
3	Deer Creek	6	2,132	5,392	5,615	.....	.....	1,909
2	Delphia	2	700	703	.....	992	1	410
....	Devil's Basin	.....	1,194	.....	.....	.....	.....	1,194
4	Dry Creek	4	1,122	335	262	.....	.....	1,195
20	Dwyer	21	10,237	47,562	45,275	.....	124	12,400
8	Elk Basin	60	4,062	296,518	297,526	.....	.....	3,054
1	Elk Basin Northwest	1	.....	1,725	.....	.....	.....	1,725
1	Fertile Prairie	1	678	1,423	1,508	.....	.....	593
5	Flat Coulee	22	3,072	39,641	38,197	.....	.....	4,516
2	Frannie	2	.....	1,557	1,557	.....	.....	.....
14	Fred & George Creek	19	1,158	129,207	128,613	.....	.....	1,752
1	Gage	1	228	359	269	.....	.....	318
4	Gas City	28	7,836	78,912	78,986	2,342	.....	5,420
6	Glendive	11	1,110	34,086	17,004	16,736	.....	1,456
9	Goose Lake	10	3,717	28,594	.....	28,276	.....	4,035
7	Graben Coulee	16	4,722	6,183	6,569	.....	.....	4,336
5	Gypsy Basin	8	4,096	3,185	2,617	.....	735	3,929
1	Hibbard	1	188	761	.....	802	.....	147
9	Ivanhoe	12	4,333	27,494	27,883	.....	.....	3,944
7	Keg Coulee	16	2,945	28,879	28,226	.....	.....	3,598
129	Kevin Sunburst	795	15,566	41,414	40,416	.....	.....	16,564
2	Little Beaver	24	2,417	27,647	26,345	326	.....	3,393
3	Little Beaver East	19	2,355	27,701	26,786	.....	.....	3,270
2	Lone Tree	3	1,390	5,169	.....	5,523	.....	1,036
25	Lookout Butte	70	4,718	151,646	151,364	.....	.....	5,000
....	Mackay Dome	.....	770	.....	.....	.....	.....	770
2	Melstone	5	941	3,769	4,043	.....	.....	667
5	Monarch	14	3,851	14,760	14,169	1,028	.....	3,414
4	Mosser	4	.....	964	.....	964	.....	.....
1	Musselshell	1	269	36	.....	.....	.....	305
7	Outlook	11	6,669	31,669	30,832	.....	.....	7,506
2	Outlook South	2	1,285	3,088	2,564	.....	.....	1,809
57	Pennel	99	7,386	232,582	232,901	.....	615	6,452
4	Pine	134	12,216	337,383	336,069	396	.....	13,134
2	Pole Creek	2	.....	9,691	.....	9,691	.....	.....
72	Pondera	340	8,330	32,944	31,608	.....	.....	9,666
2	Pondera Coulee	2	.....	402	402	.....	.....	.....
5	Poplar East	83	12,556	121,735	120,400	.....	45	13,846
4	Poplar Northwest	5	2,279	1,678	1,274	.....	.....	2,683
6	Ragged Point	18	3,489	6,899	7,536	.....	.....	2,852
4	Reagan	47	4,065	19,997	20,650	.....	.....	3,412
11	Red Creek	21	4,328	43,655	44,167	.....	.....	3,816
1	Redstone	1	238	969	952	.....	.....	255
1	Repeat	1	215	1,262	.....	1,176	.....	301
5	Richey	9	4,347	2,666	1,505	.....	44	5,464
6	Richey Southwest	7	3,423	20,617	.....	20,791	.....	3,249
4	Sand Creek	5	2,451	8,119	6,674	.....	.....	3,896
7	Sidney-Brorson	7	5,577	3,566	927	3,670	.....	4,546
1	Snyder	3	1,670	49	.....	197	.....	1,522
5	Soap Creek	9	4,638	5,363	.....	5,473	.....	4,528
1	Spring Lake	2	1,163	9,002	.....	8,862	.....	1,303
2	Stensvad	18	4,904	36,471	36,415	.....	.....	4,960
26	Sumatra	95	11,137	121,936	121,121	.....	.....	11,952
6	Tule Creek	7	2,198	54,060	54,200	.....	.....	2,058
2	Vida	2	1,239	5,180	.....	5,441	.....	978
10	Whitlash	29	3,945	10,200	8,095	.....	.....	6,050
....	Whitlash West	.....	140	.....	.....	.....	.....	140
1	Wills Creek South	1	839	7,416	7,442	.....	.....	813
9	Wolf Springs	16	3,752	10,433	10,201	.....	.....	3,984
4	Woodrow	6	377	7,834	7,628	.....	.....	583
1	Wildcat, Liberty Cty	1	51	141	.....	.....	.....	192
1	Wildcat, Roosevelt Cty	1	439	1,534	.....	1,658	.....	315
766		3,634	347,814	2,676,212	2,532,699	123,856	2,418	365,053

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
January, 1964	2,559,051	82,550	2,568,624	82,858
February, 1964	2,445,494	84,672	2,435,822	83,993
March, 1964	2,676,212	86,329	2,656,555	85,695

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
January, 1964	328,990	909,208	663,606	1,091,804
February, 1964	347,814	988,120	758,578	2,094,512
March, 1964	365,053	1,049,139	688,993	2,103,185

*Includes Wyoming Oil.

TRANSPORTER'S MONTHLY REPORT—MONTH OF MARCH, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,389				2,389		
BANNATYNE—Truck			768					768	
BEAR'S DEN—Truck			2,342					2,342	
BELFRY—Truck			203				203		
BIG WALL—McWood Corp.			156			156			
Glacier Pipeline Co.		23,316				23,316			
		23,316	156			23,472			
BLACKFOOT—Union Oil Co.		3,429	2,107			3,429		2,107	
BORDER—Truck			595				595		
BOWES—Texaco, Inc.		13,208				13,208			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	308,272	747,308	48,618	677,898			1,455,809		326,287
Shell Pipeline Corp.	4,702	393,528			5,563			386,881	5,786
	312,974	1,140,836	48,618	677,898	5,563		1,455,809	386,881	332,073
CAT CREEK									
Glacier Pipeline Co.		18,766				18,766			
CLARK'S FORK—Truck			570				570		
CUT BANK									
Darling Gathering System, Inc.	1,847	6,026						6,044	1,829
Glacier Pipeline Co.				160,779		160,779			
Phillips Petroleum Co.	26,056	48,917		28,055	72	66,437		9,335	27,184
Texas Pipeline Co.	16,177	25,300		13,874	94			31,225	24,032
Teton Pipeline Corp.	31,047	30,509		69,413	300	42,167		40,259	48,243
Union Oil Co.	96,923	62,015		21,355	(532)	82,717			98,108
	172,050	172,767		293,476	(66)	352,100		86,863	199,396
DELPHIA—Truck			992			992			
DRY CREEK—									
Marathon Pipeline Co.	8,446	262			(3)				8,711
DWYER—Hunt Petroleum Corp.		44,100					44,100		
ELK BASIN—Marathon Pipeline Co.		296,120				296,120			
FLAT COULEE—									
Camerland Cardinal Corp.	16,410	38,197				5,071		46,536	3,000
FRANNIE—Marathon Pipeline Co.		1,557					1,557		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	5,000	101,872				33,757		57,033	16,082
GAGE—Glacier Pipeline Co.		268				268			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	12,541	53,658			814			58,625	6,760
GOOSE LAKE—Truck			28,276				28,276		
HIBBARD—Truck			802			802			
IVANHOE—Glacier Pipeline Co.		27,806				27,806			
KEG COULEE—									
Glacier Pipeline Co.		22,229				22,229			
KEVIN SUNBURST—									
Big West Oil Co.	3,737	36,860				36,445			4,152
Homestake Oil & Gas Co.	275	2,561		6,044		8,555			325
Texas Pipeline Co.	7,411	13,880			59			13,874	7,358
	11,423	53,301		6,044	59	45,000		13,874	11,835
LONE TREE—Truck			5,523				5,523		
MELSTONE—									
Glacier Pipeline Co.		4,044				4,044			
MOSSER—Truck			964				964		
PONDERA—Phillips Petr. Co.	19,928	33,169		9,335	575	47,961			13,896
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	17,209	228,262			222			228,722†	16,527
POLE CREEK—Truck			9,691				9,691		
RAGGED POINT—									
Glacier Pipeline Co.		8,009				2,673		5,336	
RED CREEK—Teton Pipeline Co.		48,635			487			48,148	
SIDNEY-BRORSON									
McWood Corp.	9,010		3,670					10,432	2,249
SOAP CREEK—McWood Corp.	464		5,670	1,653					7,787
SPRING LAKE—Truck			8,862				8,862		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	402,665	163,231		438,149	399	473,442	99,380		430,824
WHITLASH—									
Camerland-Cardinal Corp.		7,490				7,490			
WOLF SPRINGS—									
Glacier Pipeline Co.		10,205				10,205			
WILDCAT WELLS—									
Roosevelt County			1,658				1,658		
TOTALS	988,120	2,514,737	123,856	1,426,555	8,050	1,388,835	1,659,577	947,667	1,049,139

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, SW and Wills Creek, South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF MARCH, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	North Star Refining Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	23,315	.....	.....	.....	.....	.....	23,315
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	3,429	3,429
Bowes	.....	.....	6,974	.....	.....	.....	.....	.....	.....	6,974
Cat Creek	.....	18,623	.....	7,545	.....	3,620	.....	.....	.....	29,788
Cut Bank	.....	49,116	.....	.....	.....	.....	3,248	75,774	51,667	179,805
Delphia	.....	.....	.....	.....	.....	718	.....	.....	.....	718
Dry Creek	.....	.....	.....	196	.....	.....	.....	.....	.....	196
Elk Basin	.....	121,938	.....	78,879	95,303	.....	.....	.....	.....	296,120
Flat Coulee	5,071	37,897	.....	.....	.....	.....	.....	.....	.....	42,968
Fred & George Creek	49,518	52,354	.....	.....	.....	.....	.....	.....	.....	101,872
Hibbard	.....	.....	.....	.....	.....	745	.....	.....	.....	745
Ivanhoe	.....	1,786	.....	.....	22,432	.....	.....	.....	.....	24,218
Keg Coulee	.....	.....	.....	22,229	.....	.....	.....	.....	.....	22,229
Kevin Sunburst	36,445	.....	.....	.....	.....	.....	1,058	.....	19,600	57,103
Melstone	.....	.....	.....	4,044	.....	.....	.....	.....	.....	4,044
Pondera	.....	.....	.....	.....	.....	.....	.....	37,903	.....	37,903
Ragged Point	.....	981	.....	1,692	.....	.....	.....	.....	.....	2,673
Red Creek	.....	.....	.....	.....	48,635	.....	.....	.....	13,929	62,564
Sumatra & Stensvad	.....	31,276	.....	94,332	.....	.....	.....	.....	.....	125,608
Wolf Springs	.....	.....	.....	.....	14,077	.....	.....	.....	.....	14,077
Total Montana Oil	91,034	313,971	6,974	232,232	180,447	5,083	4,306	113,677	88,625	1,036,349
Canadian Oil Imported	.....	268,482	.....	.....	42,448	.....	.....	.....	1,956	312,886
Wyoming Oil Imported	.....	148,019	.....	386,837	825,343	3,060	.....	.....	.....	1,363,259
Total Montana, Canadian & Wyoming Oil	91,034	730,472	6,974	619,069	1,048,238	8,143	4,306	113,677	90,581	2,712,494

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
March, 1963	30,783	4,925	45,556	81,264
March, 1964	33,430	10,094	43,976	87,500

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.99%	5.53%	52.48%
37.88%	6.07%	56.05%
38.20%	11.55%	50.25%